

### **Remark**

Applicants respectfully request reconsideration of this application as amended. Claims 9-13 and 24 have been amended. No claims have been canceled. Therefore, claims 1-24 are now presented for examination.

### **Allowable Subject Matter**

Applicants thank the Examiner for the indication of allowability for Claims 4, 17, and 22 and for the careful reading of the present application. These claims remain in the case.

### **Claim Objections**

The Examiner has objected to claim 24 as identical to claim 6. The dependency of Claim 24 has been rewritten to correct the noted error.

### **35 U.S.C. §112 Rejection**

Claims 9-13 are rejected for insufficient antecedent basis for "the core sequence." Claim 9 has been rewritten to provide antecedent basis for this limitation.

**35 U.S.C. §103 Rejection,*****Yun in view of Scott and further in view of Malkamaki***

The Examiner has rejected claims 1-2, 6-8, 14-15, 19-20 and 24 under 35 U.S.C. § 103(a) as being unpatentable over Yun, U.S. Patent No. 5,909,471 ("Yun") in view of Scott, U.S. Patent No. 6,388,997 ("Scott") and further in view of Malkamaki, U.S. Patent No. 5,577,024 ("Malkamaki"). Malkamaki suggests giving (by the base station) each user a defined bit sequence which it transmits when it desires to access a channel (7:9). The GSM specification for RACH is changed so that the mobile transmits the defined bit sequence instead of a training sequence and a random number (7:22-30). The GSM training sequences may be used as a basis for the defined bit sequence but this is not recommended (7:52).

In, for example, Claim 1, the receiving station selects the training sequence and transmits the uplink burst using the selected training sequence. This is a contrast to Malkamaki in which 1) a defined bit sequence is invoked not a training sequence, 2) the defined bit sequence is selected by the base station, and 3) the defined bit sequence is the entire uplink transmission not an uplink burst transmitted using the selected training sequence. For these reasons, Claim 1 and all of Claim 2-24 which contain or incorporate similar limitations are believed to be allowable over the references.

**Conclusion**

Applicants respectfully submit that the rejections have been overcome by the amendment and remark, and that the claims as amended are now in condition for allowance. Accordingly, Applicants respectfully request the rejections be withdrawn and the claims as amended be allowed.

**Invitation for a Telephone Interview**

The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case.

**Request for an Extension of Time**

Applicants respectfully petition for an extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a) should one be necessary. Please charge our Deposit Account No. 02-2666 to cover the necessary fee under 37 C.F.R. § 1.17(a) for such an extension.

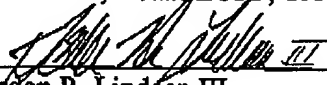
**Charge our Deposit Account**

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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